

Human HAI-2/SPINT2 ELISA Kit | SPINT2 elisa kit

Human HAI-2/SPINT2 PicoKine ELISA Kit

CATALOG #
AAA46658

REACTIVITY
Human

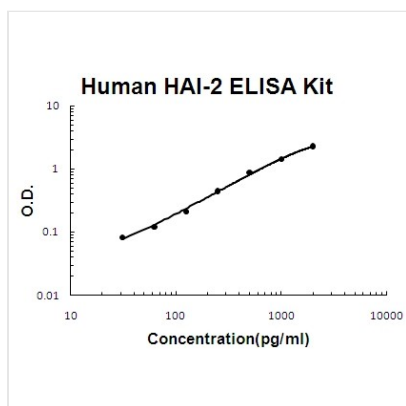
PRODUCT SYNONYMS

HAI-2/SPINT2; Human HAI-2/SPINT2 PicoKine ELISA Kit; Bikunin; placental; DIAR3; HAI2; HAI 2; HAI-2; Kop; PB; Placental bikunin; SPINT2; O43291; Kunitz-type protease inhibitor 2; serine peptidase inhibitor; Kunitz type; 2; SPINT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human HAI-2/SPINT2
Sequence Length	195
Samples	Cell culture supernates, serum, plasma(heparin, EDTA), cell lysates and tissue homogenates.
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human HAI-2/SPINT2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SPINT2 elisa kit	Principle of the Assay: Human HAI-2/SPINT2 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for HAI-2/SPINT2 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: M1-K197) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for HAI-2/SPINT2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human HAI-2/SPINT2 amount of sample captured in plate. Background/Introduction: Kunitz-type protease inhibitor 2 is an enzyme inhibitor that in humans is encoded by the SPINT2 gene. This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. And this gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260656008
NCBI GeneID	10653
NCBI Accession #	NP_001159575.1
NCBI GenBank Nucleotide #	NM_001166103.1
UniProt Accession #	O43291; O00271; O14895; Q5TZQ3; Q969E0; A8K667; B4DLU1
Molecular Weight	21,828 Da
NCBI Official Full Name	kunitz-type protease inhibitor 2 isoform b
NCBI Official Synonym Full Names	serine peptidase inhibitor, Kunitz type 2
NCBI Official Symbol	SPINT2
NCBI Official Synonym Symbols	PB; Kop; HAI2; DIAR3; HAI-2
NCBI Protein Information	kunitz-type protease inhibitor 2
UniProt Protein Name	Kunitz-type protease inhibitor 2
UniProt Gene Name	SPINT2
UniProt Synonym Gene Names	HAI2; KOP; HAI-2
UniProt Entry Name	SPIT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.